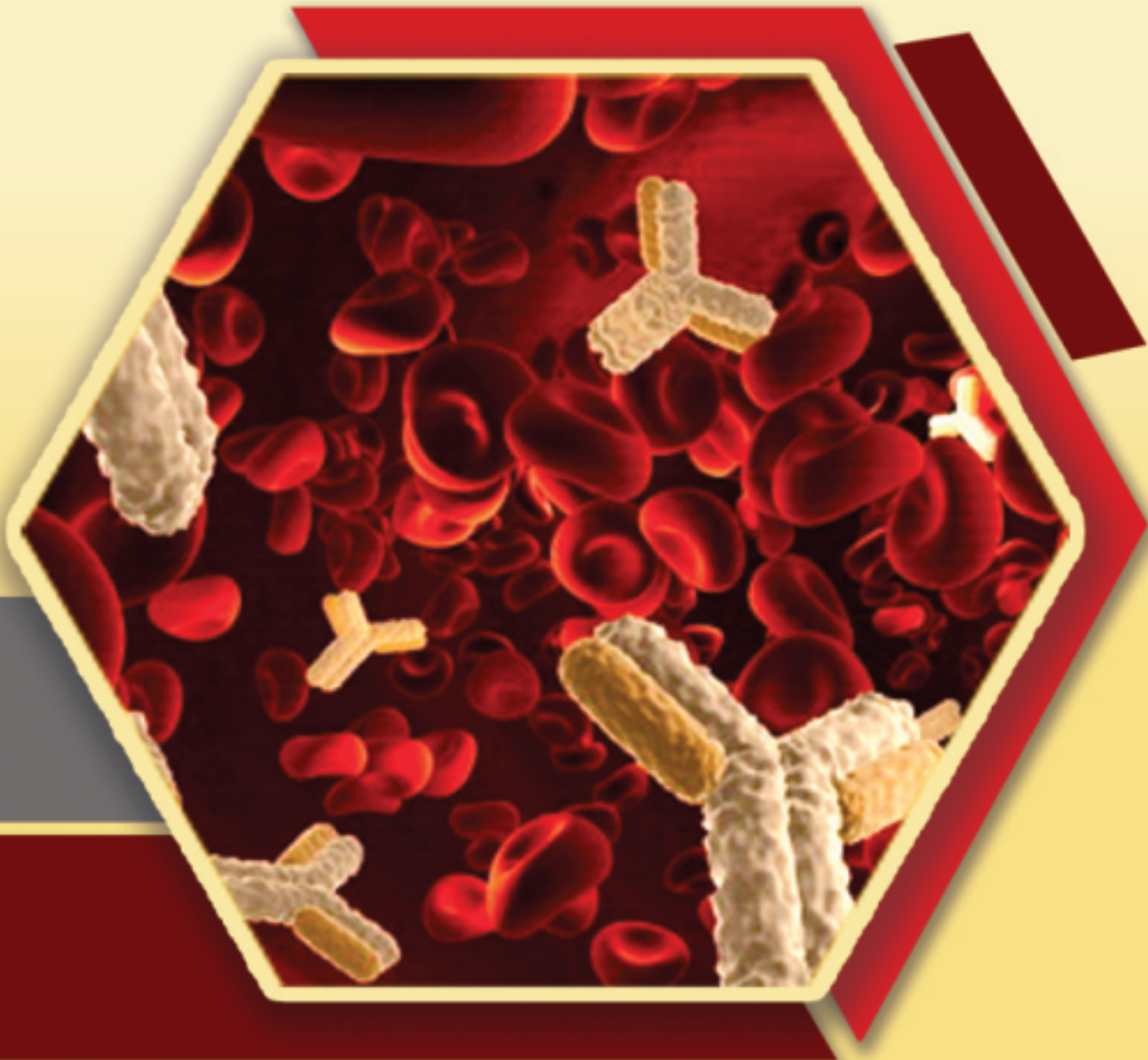


# ***IMMUNOHAEMATOLOGY BULLETIN***

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## **SLIM21: Unique Library Software**

**Vijay G. Padwal, Amruta M. Mahale & Gauri Kesarkar**

In today's Information Communication Technology age most of the Libraries have been using library management software for library automation. Among all software's SLIM is one of the most popular software used in Academic libraries. It is proprietary/commercial software. Overall in India more than 500 colleges have been using this software. SLIM21 is a highly comprehensive and user friendly library management software. It helps you to catalogue books, e-books, films, sound recordings, drawings, clippings, articles, reports, letters, pamphlets, serials publications etc. all those things that contain information so vital to your organization. Its cataloguing adheres to popular international standards. With SLIM21 retrieval of information is simple, fast and efficient. Even a catchy phrase in the description of the catalogued item can be used for searching. It supports flexible workflow to cover activities related to acquisition of books, serials control and funds monitoring.

SLIM21 is the latest product from the family of SLIM: System for Library Information and Management. The first version of this software was launched in the year 1988. Since then it has been continuously improved by incorporating feedback from clients and adapting to the latest technical innovations. SLIM21 is broadly used in special libraries like ICMR NIIH library because it incorporates with the Dewey Decimal Classification 22 edition.

SLIM21 is backed by unflinching after sales support from an ISO 9000: 2008 certified company. Its project execution and quality control procedures make every library automation project a total success. Today, it counts over 450 libraries of different types such as academic institutions, engineering firms, pharmaceutical companies, hospitals, banks and financial institutions, software houses, schools and colleges as its satisfied customers.

SLIM21 is designed and developed in modules to take care of complete functionality required for automating libraries. You can configure this software for your library by selecting one or more of these standard and add-on modules. They can be installed independent of each other on different computers. It works just as well on a stand-alone machine as it does in a network of computers.

Moreover, our library collection can be browsed/searched on Internet/intranet using SLIM21 Online Public Access Catalog (OPAC) module. NIIH is widely using Cataloguing, Circulation, Classification and Serial control. We are generating barcode identity card for the users of NIIH and also we are printing barcode for the books, journals loose issue and bound volume journals. We have catalogued our book repository, thesis and reports in the database. We have also catalogued journals loose issue individually. Every year we are binding the bunch of journals generated through these databases.

**Vijay G. Padwal**, Library Information Officer,  
**Amruta M. Mahale**, Library Trainee, **Gauri Kesarkar**, Library Trainee,  
ICMR-National Institute of Immunohaematology, Parel, Mumbai

Module like circulation is used for issue and return of books and journals. Our library have created duration of issue of books and journals for seven days and we are renewing the same once as per our library rules. The penalty is assigned to late return of books. We used DDC 22 edition to classify our books and journals.

Acquisition feature is when a card is created using information entered in a proposal the currency and the price together are displayed as the Terms of Availability in the catalogue. Provision has been made to enter the Unique Transaction Reference Number on as Acquisition Bill if payment has been done online. New columns, Viz Gross Amount, Budget code, etc. have been added in the grid of the report Item on Bills Accessioned. The Budget code filter is then available for this report to enable us to get a list of items purchased under a particular Budget head.

Web Utils help to a new application is provided to download bibliographic data from Google Books for library user. The goals of an interlibrary loan Module are to request materials from outside the library's system for its users, loan materials to other system libraries, and to manage receiving and processing these loaned materials.

Library User's mostly use the WebOPAC. This module is very easy to understand and friendly to handling module of SLIM21. It help library user's to speed of simple search as well as journal list displays list of journals with active current subscriptions by default.

We keep usage statistics of our library collection abridged by this software. The software is user friendly that every user can operate the same easily. SLIM21 software is yearly updated and the backup of the data is stored in the computer.

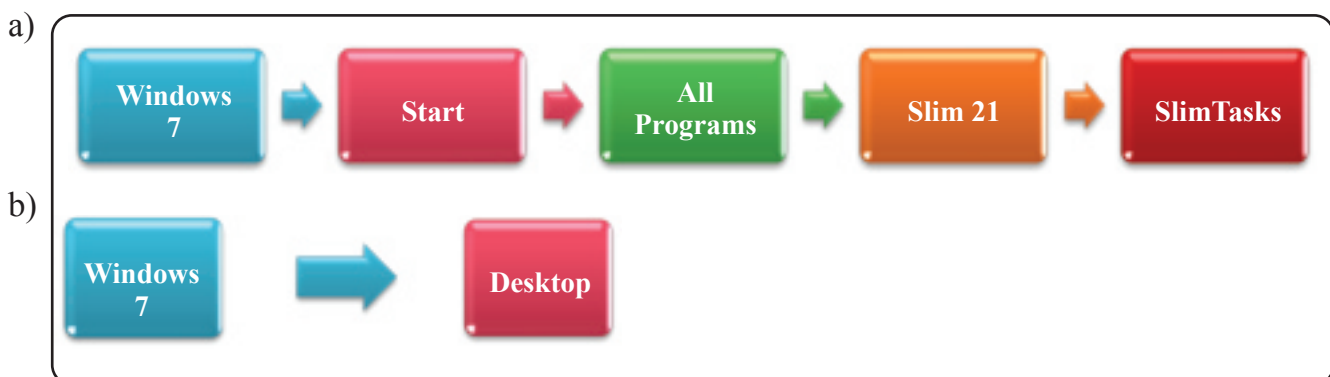
SLIM21 software help to very easy do stock verification of books and journals every year in excel format. Report of stock verification is generated in these software can be used for Audit of the library.

### **SLIM21 different technology platforms:**

SLIM21 works with standard RDBMs such as MS-SQL server, Oracle, PostGreSQL as per Client-Server architecture. SLIM21: SQL server 200x express edition as backend RDBMs

SLIM21LX: PostGreSQL as backend residing on LINUX server machine. SLIM21EX: MS-SQL server 200x as backend RDBMs on windows server. SLIM21OX: Oracle as backend RDBMs on either windows or LINUX server.

### **SEARCH module :**



## **Features of SLIM21 :**

Adherence to Windows Standards with menu bar, taskbar, window resizing, window moving, multi-tasking using simultaneous operations in multiple windows. Point and Click, reduces users learning requirements. Drag & Drop, Cut & Paste reduces data entry effort and thereby increases uniformity and accuracy of the data. Wizard mode for beginners and users don't have to remember steps; neither can they miss out any steps. Extensive online help or Tool tips. Use of RTF (rich text format) for reporting allows user specified fonts, colors and sizes for texts.

Double click to open files and multi-media links to sounds, films, drawings, bitmaps, web sites etc. Interface with standard Windows applications like WordPad, MS-Word, Mail Exchangers, Object packagers etc.

## **Hardware configuration for a library to implement SLIM21 software server machine (Standalone):**

- Intel Pentium IV processor onwards
- 256 MB RAM
- 10 GB HDD
- Is not connected to internet/network
- Data is stored in HDD SERVER MACHINE (NETWORKING) Intel Pentium III processor onwards
- 256 MB RAM (minimum)
- 10 GB HDD
- Is connected to internet/network
- Data is stored in the server

## **System Software requirement Server Machine:**

- Operating System
- Win XP Prof/ Win 2000 Server / Win 2003 Server CLIENT MACHINE Operating
- System Win XP (any) / Win 2000 (any) / Win 2003 (any) DATABASE
- SQL Server (Optional) Structured Query Language.

## **SLIM21 In-house software:**

SLIM has exhaustive set of library management functions. Hence the library gets computerized in all respect. SLIM is implemented at over 250 libraries. It is a stable product and continuous up gradation of the software to keep pace with the latest. Library staff has to work with the manual procedures as well as with the computer system. In case of in-house system, the development cycle will go through many trials and errors.

## **Standards:**

SLIM21 has the support for Z39.50 Server and also Z39.50 Client. Z39.50 (also known internationally as ISO 23950) was developed in the late 1980s and early 1990s. It defines a strict protocol for searching and retrieving remote MARC-record based bibliographic records.

SLIM21 has implemented NCIP protocol and is presently in the testing phase.

It implements the SIP2 protocol to make communication between the Slim21 circulation system and any other package feasible.

## **Network Issues:**

SLIM21 software is a multi-user system, which works on the network of computers.

SLIM21 Database resides on a centralized computer and gets updated from other computers as per the access rights assigned to different users.

Therefore for the smooth functioning of the system the physical network needs to be of high quality. Some of the networking standards which should be followed for SLIM21 to work properly are as follows: with range, high quality cables, connectors and UPS system.

## **Advantages:**

- Improve customer service through greater access to accurate information.
- Increased productivity and job satisfaction among staff members as it eliminates duplication of effort.
- Greater
- Accountability and transparency in operations.
- More reliable security for sensitive and confidential information.
- Easier access to Information like management reports and stock etc.
- As well as more accurate and faster results from statistical analyses.

## **Disadvantages:**

- More Expensive
- If software becomes corrupted, there is danger of losing all data.

## **Conclusion:**

SLIM21 helps to catalogue books, e-books, films, sound recordings, drawings, clippings, articles, reports, letters, pamphlets, serials publications etc. SLIM21 cataloguing adheres to popular international standards. SLIM21 retrieval of information is simple, fast and efficient. The retro-conversion of NIIH library resources like books, journals, bound volumes, thesis, reports is the on-going process. We are trying to use every modules of the software for library automation process. In future this SLIM21 software will fulfill all organizations need of advanced automation of library.

# स्लिम २१ (SLIM21): एक महत्वपूर्ण पुस्तकालय सॉफ्टवेयर

श्री सोमप्रकाश धनगर

आज के सूचना संचार प्रौद्योगिकी युग में अधिकांश पुस्तकालय स्वचालन के लिए पुस्तकालय प्रबंधन सॉफ्टवेयर का उपयोग कर रहे हैं। स्लिम 21 शैक्षणिक पुस्तकालयों में उपयोग किए जाने वाले सबसे लोकप्रिय सॉफ्टवेयरों में से एक है। यह एक वाणिज्यिक सॉफ्टवेयर है। जो की सिस्टम फॉर लाइब्रेरी इनफार्मेशन एंड मैनेजमेंट द्वारा विकसित किया गया है। भारत में कुल मिलाकर 500 से अधिक कॉलेज इस सॉफ्टवेयर का उपयोग कर रहे हैं। यह अत्यधिक व्यापक और उपयोगकर्ता के अनुकूल पुस्तकालय प्रबंधन सॉफ्टवेयर है जो आपके लिए एल्गोरिथ्म कंसल्टेंट्स प्राइवेट लिमिटेड द्वारा लाया गया है। स्लिम 21 पुस्तकालयों को स्वचालित करने के लिए विशेष मॉड्यूल में डिज़ाइन और विकसित किया गया है। आप इनमें से एक या अधिक मानक और ऐड-ऑन मॉड्यूल का चयन करके अपनी पुस्तकालय के लिए स्लिम 21 सॉफ्टवेयर कॉन्फिगर कर सकते हैं। तथा उन्हें अलग-अलग कंप्यूटरों पर एक-दूसरे से स्वतंत्र स्थापित कर सकते हैं। यह एक स्टैंडअलोन मशीन पर भी काम करता है जैसा कि यह एक नेटवर्क में करता है। स्लिम 21 OX, विंडो या LINUX सर्वर पर Oracle RDBMs के रूप में काम करता है। इस सॉफ्टवेयर सर्वर मशीन (मानक) को लगाने के लिए आवश्यक हार्डवेयर विन्यास जैसे इंटेल पेंटियम IV प्रोसेसर (न्यूनतम), 256 एमबी रैम 10 जीबी एचडीडी की आवश्यकता होती है तथा इस कॉन्फिगरेशन के साथ सूचना को सर्वर मशीन पर सुरक्षित किया जा सकता है। वर्तमान में इसका एक उपयोगकर्ता अनुकूल मॉडल WebOPAC उपलब्ध है जिसको समझना आसान और उपयोग अनुकूल है स्लिम 21 कैटलॉगिंग लोकप्रिय अंतरराष्ट्रीय मानकों का पालन करता है। इसके साथ सूचना की पुनर्प्राप्ति सरल और तेज है। यहाँ तक कि कैटलॉग किए गए आइटम के विवरण में एक आकर्षक वाक्यांश का उपयोग खोज के लिए किया जा सकता है। यह पुस्तकों के अधिग्रहण, क्रमिकनियंत्रण और निगरानी से संबंधित गतिविधियों को कवर करने के लिए लचीले वर्कफ्लो का समर्थन करता है। इसमें उपस्थित एल्गोरिथ्म एवं गुणवत्ता नियंत्रण प्रक्रियाएँ प्रत्येक पुस्तकालय की स्वचालन परियोजना को पूरी तरह सफल बनाती हैं। यह आपको पुस्तकों, ई-पुस्तकों, फिल्मों, साउंड रिकॉर्डिंग, ड्राइंग, क्लिपिंग, लेख, रिपोर्ट, पत्र, पत्र-पत्रिका, धारावाहिक प्रकाशन को सूचीबद्ध करने में मदद करता है। एवं उन सभी चीजों की जानकारी देता है जो आपके संगठन के लिए बहुत महत्वपूर्ण हैं। आज अल्गोरिथ्म कंसल्टेंट्स प्राइवेट लिमिटेड विभिन्न शैक्षणिक संस्थानों (स्कूलों और कॉलेजों), इंजीनियरिंग फर्मों, दवा कंपनियों, अस्पतालों, बैंकों और वित्तीय संस्थानों के विभिन्न प्रकार के 450 पुस्तकालयों को अपने संतुष्ट ग्राहकों के रूप में गिनता है। पुस्तकों पत्रिकाओं थीसिस रिपोर्टों जैसे राष्ट्रीय प्रतिरक्षा रुधिर विज्ञान संस्थान के पुस्तकालय संसाधनों का रेट्रो रूपांतरण एक निरंतर प्रक्रिया है। हम पुस्तकालय को पूर्ण रूप से स्वचालित बनाने के लिए विभिन्न सॉफ्टवेयरों के हर मॉड्यूल का उपयोग परिक्षण के रूप में कर रहे हैं। हमें आशा है की भविष्य में स्लिम 21 जैसे पुस्तकालय सॉफ्टवेयर पुस्तकालय के उन्नत स्वचालन में मददगार साबित होंगे।

## Farewell



Mrs. Dilshad Shaikh, Administrative Officer was given Farewell on 30<sup>th</sup> November, 2019



Mrs Rashmi Ghavnalkar, Office Assistant was given Farewell on 30<sup>th</sup> October, 2019



DBT fellowship program for six months in genetic diagnostics was initiated on 3<sup>rd</sup> September 2019 for Training of in-service Clinicians” from Government hospitals



10<sup>th</sup> Flow cytometry workshop & CME 30<sup>th</sup> September -1<sup>st</sup> October 2019 conducted at ICMR-NIIH



Bhumi Poojan Ceremony for the proposed Centre for research management and control of Hemoglobinopathies at Chandrapur Maharashtra under ICMR-NIIH Mumbai was performed on 9<sup>th</sup> September 2019



Dr. Swati Kulkarni received the prestigious “**J.R. Jolly award**” meant for individual who has made significant contribution in research, teaching and training in field of transfusion medicine at 44<sup>th</sup> Annual Conference of Indian Society of Blood Transfusion and Immunohaematology held at Jalandhar on 1-3<sup>rd</sup> November, 2019.



**Pre SAC committee meeting on 23-24<sup>th</sup> November, 2019 at NIIH**

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